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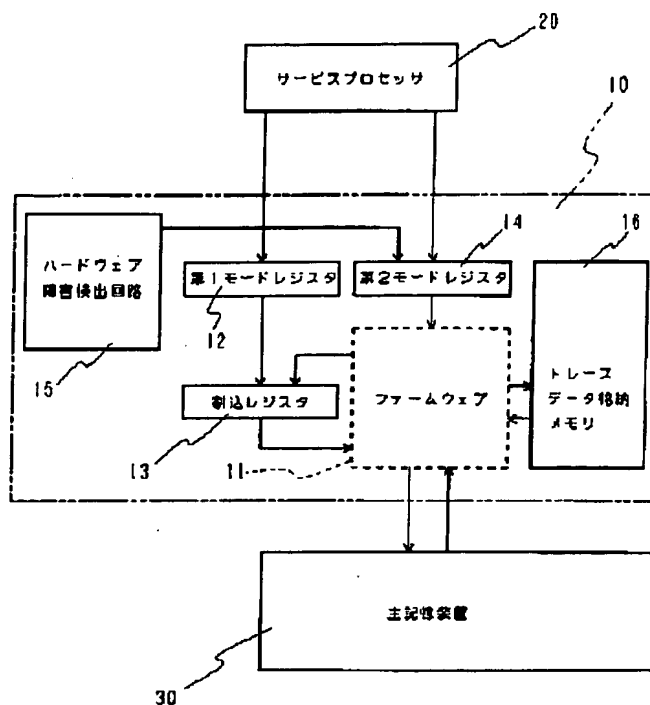
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TITLE : TRACE CONTROLLER FOR FIRMWARE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a trace controller for firmware which can flexibly deal with the change of trace data or trace system to be sampled, capable of sampling a large number of trace data and can easily analyze a factor when some faults occur in a firmware.

SOLUTION: This device is provided with 1st and 2nd mode registers 12 and 14 for storing mode data, while receiving the service of a service processor 20, the fault detecting signal of a hardware fault detect circuit 15 is inputted to the 2nd mode register 14, a trace interrupting instruction is transmitted from an interrupt register 13 to a firmware 11 together with the mode data in the 1st mode register 12, and an instruction and the fault detecting signal stored in the 2nd mode register 14 related to communication trace or target trace are transmitted. A data storage area in a main storage device 30 can be used while selecting either divided use or occupied use. When the fault detecting signal is reported, the firmware 11 stops trace processing.

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